FIRST CALL FOR PAPERS

The Seventh International Conference on

Intelligent Systems for Molecular Biology (ISMB '99)

August 6 - August 10, 1999

Heidelberg, Germany, http://ismb99.gmd.de, e-mail: ismb99@gmd.de

Sponsored by the International Society for Computational Biology
(in cooperation with Dechema, the German Informatics Society (GI), and the American Association for Artificial Intelligence (AAAI))

ATTEND ONE OF THE PREMIER INTERNATIONAL BIOINFORMATICS MEETING AND ENJOY THE RARE SIGHT OF A TOTAL SOLAR ECLIPSE

The ISMB conference provides a general forum for disseminating the latest developments in bioinformatics. ISMB is a multidisciplinary conference that brings together scientists from computer science, molecular biology, mathematics and statistics. Its scope includes the development and application of advanced computational methods for biological problems. Relevant computational techniques include, but are not limited to:
machine learning, pattern recognition, knowledge representation, databases, combinatorics, stochastic modeling, string and graph algorithms, linguistic methods, robotics, constraint satisfaction, and parallel computation. Biological areas of interest include molecular structure, genomics, molecular sequence analysis, evolution and phylogenetics, molecular interactions, metabolic pathways, regulatory networks, developmental control, and molecular biology generally.

Emphasis is placed on the validation of methods using real data sets, on practical applications in the biological sciences, and on development of novel computational techniques.

The five-day conference is going to be held in the Stadthalle Heidelberg in the center of the picturesque town of Heidelberg in Germany. Heidelberg is one of the scientific centers of Molecular Biology in Germany. In addition to its renown University and two Max-Planck Institutes, the European Molecular Biology Laboratory and the German National Cancer Research Center are located there as well as many pharmaceutical and biotech companies. The region receives special funding as one of three BioRegio regions in Germany. Heidelberg can be reached conveniently by train or shuttle from Frankfurt airport.

The conference precedes a total solar eclipse which will happen just south of Heidelberg on August 11, 1999. Total solar eclipses are extremely rare astronomical events, happening only every few hundred years over a given point on earth. The next total solar eclipse in central Europe is going to happen in the year 2081; over North America the next total solar eclipse is in the year 2017.

The conference will feature original, refereed papers, software demonstrations, posters and introductory tutorials. There will also be an exhibition of hardware and software vendors. Papers will be published by the AAAI in an archival proceedings and are indexed in the Medline database, and will be provided to participants as a bound volume at the conference.

The previous ISMB meetings were: 1993: National Library of Medicine, USA; 1994: Stanford University, USA; 1995: Cambridge University, UK; 1996: Washington University, USA; 1997: Halkidiki, Greece; 1998: Montreal, Canada

Keynote speakers

Manfred Eigen	Max Planck Institute for Biophysical Chemistry, Goettingen Germany (Nobel Laureate in Chemistry 1967)
Amos Bairoch	University of Geneva, Switzerland
Richard Karp	University of Washington, Seattle WA
Anthony Kerlavage	Celera Genomics Corporation, Rockville MD
Eugene Koonin	NCBI, Bethesda MD
Rob Lipschutz	Affymetrix Inc., Santa Clara CA
Matthias Mann	Odense University, Denmark
Michael Sternberg	ICRF, London UK

Submission information (Deadline: Jan 31 1999)

For physical submission, please send five copies of your paper to:
`ISMB'99, c/o Thomas Lengauer, GMD-SCAI, Schloss Birlinghoven, 53754 Sankt Augustin, Germany`
Papers can also be sent electronically (postscript format only) to `ismb99@gmd.de`.

ISMB-99 Organizing Committee

Peer Bork (EMBL Heidelberg, Germany) Doug Brutlag (Stanford University, USA) Janice Glasgow (Queen's University, Canada) Thomas Lengauer (GMD Sankt Augustin, Germany) Hans Werner Mewes (MIPS Martinsried, Germany) Reinhard Schneider (LION bioscience AG, Heidelberg, Germany) Ralf Zimmer (GMD Sankt Augustin, Germany)